

## REMARKS

Claims 1-25 are pending. Claims 2-4, 9-11, 13 and 21 are being amended. Claims 12 and 19 are being canceled. Claims 26-38 are being added. No new matter is being added.

Claims 2, 3, 10, and 11 stand rejected under 35 U.S.C. 112. Claims 2 and 10 are being amended to correct informalities and claims 3 and 11 are being amended for clarity.

Accordingly, these rejections are moot. Also, claim 4 are being amended to correct an informality.

Claims 4, 12, and 19 have been indicated as allowable. Appreciation is expressed for the indication of allowability of these claims. Accordingly, claim 9 is being amended to incorporate limitations of pending claim 12 and pending claim 12 is being canceled with other prejudice or disclaimer of the subject matter recited therein. Pending claims 13 and 21 are being amended to incorporate limitations of pending claim 19, and claim 19 is being canceled without prejudice or disclaimer of the subject matter recited therein. Accordingly, claims 9, 13, and 21 are allowable.

In addition, claims 35 and 37 are being added. Claims 35 and 37 include limitations of pending claim 19, and therefore are allowable for at least this reason.

Claims 1, 3, 5-8 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Ware et al., U.S. Pub. No. 2002/0174311 (Ware) in view of Zhao, U.S. Pat. Pub. No. 2003/0105906 (Zhao). Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ware in view of Zhao, and further in view of Nain, U.S. Pat. No., 5,978,866 (Nain). Claims 9, 11, 13, 17, 21, and 25 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Ware. Claims 10 and 18 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Ware in view of Nain. Claims 14-15 and 22-23 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Ware in view of Haba, U.S. Pub. No. 2001/0053069 (Haba). Claims 16, 20, and 24 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Ware in view of Nakaoka, U.S. Pat. No. 6,021,077 (Nakaoka).

As set forth above, pending claim 1 stands rejected under Ware in view of Zhao.

Applicants would respectfully point out that Zhao has a filing date of November 15, 2001. The filing date of the present application is November 8, 2001. Accordingly, Zhao is not a 102(e) prior art reference to the present application. Thus, claims 1-8 are allowable over the references cited against them.

Claim 29 is being added. Ware does not disclose or suggest first and second processor cores coupled to the virtual channel memory controller, wherein the virtual channel memory controller and the first and second processor cores are disposed on a single integrated circuit, all as recited by independent claim 29. Accordingly, claim 29 is allowable over Ware.

The dependent claims depend from the independent claims and are allowable for at least this reason.

This application is believed to be in condition for allowance and notice of such is respectfully requested. If there are any issues that need to be resolved, the Examiner is respectfully requested to telephone the undersigned.

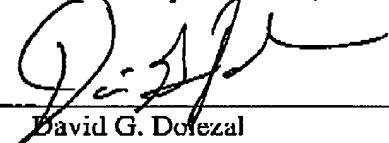
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Respectfully submitted,



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